

Claire Berger

List of Publications by Year in descending order

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28
papers

10,622
citations

430442

18
h-index

525886

27
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30
all docs

30
docs citations

30
times ranked

12353
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Ordered Boron Nitride/Epigraphene Epitaxial Films on Silicon Carbide by Lateral Epitaxial Deposition. ACS Nano, 2020, 14, 12962-12971.	7.3	14
2	Flat and safe under the graphene sheet. Nature Materials, 2020, 19, 583-584.	13.3	12
3	Valley and Zeeman Splittings in Multilayer Epitaxial Graphene Revealed by Circular Polarization Resolved Magneto-Infrared Spectroscopy. Nano Letters, 2019, 19, 7043-7049.	4.5	6
4	Ultrahard carbon film from epitaxial two-layer graphene. Nature Nanotechnology, 2018, 13, 133-138.	15.6	172
5	Band Gap Opening Induced by the Structural Periodicity in Epitaxial Graphene Buffer Layer. Nano Letters, 2017, 17, 2681-2689.	4.5	36
6	Microscopic origins of the terahertz carrier relaxation and cooling dynamics in graphene. Nature Communications, 2016, 7, 11617.	5.8	73
7	SU(4) symmetry breaking revealed by magneto-optical spectroscopy in epitaxial graphene. Physical Review B, 2015, 91, .	1.1	2
8	Elastic coupling between layers in two-dimensional materials. Nature Materials, 2015, 14, 714-720.	13.3	78
9	Electronic cooling via interlayer Coulomb coupling in multilayer epitaxial graphene. Nature Communications, 2015, 6, 8105.	5.8	28
10	Exceptional ballistic transport in epitaxial graphene nanoribbons. Nature, 2014, 506, 349-354.	13.7	508
11	Local work function measurements of plasma-fluorinated epitaxial graphene. Applied Physics Letters, 2014, 104, .	1.5	21
12	Probing terahertz surface plasmon waves in graphene structures. Applied Physics Letters, 2013, 103, .	1.5	20
13	Structured epitaxial graphene on SiC. , 2012, , .		1
14	Evidence for interlayer electronic coupling in multilayer epitaxial graphene from polarization-dependent coherently controlled photocurrent generation. Physical Review B, 2012, 85, .	1.1	19
15	Highly efficient spin transport in epitaxial graphene on SiC. Nature Physics, 2012, 8, 557-561.	6.5	392
16	Large area and structured epitaxial graphene produced by confinement controlled sublimation of silicon carbide. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16900-16905.	3.3	395
17	Thermoelectric effect in high mobility single layer epitaxial graphene. Applied Physics Letters, 2011, 99, 133102.	1.5	30
18	Hot carrier cooling by acoustic phonons in epitaxial graphene by ultrafast pump-probe spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1194-1197.	0.8	15

#	ARTICLE	IF	CITATIONS
19	Enhanced photosensitivity of electro-oxidized epitaxial graphene. Applied Physics Letters, 2011, 98, .	1.5	21
20	X-ray radiation effects in multilayer epitaxial graphene. Applied Physics Letters, 2011, 99, 232102.	1.5	13
21	Structured epitaxial graphene growth on SiC by selective graphitization using a patterned AlN cap. Applied Physics Letters, 2010, 96, 082112.	1.5	14
22	Half integer quantum Hall effect in high mobility single layer epitaxial graphene. Applied Physics Letters, 2009, 95, .	1.5	140
23	Ultrafast dynamics and interlayer thermal coupling of hot carriers in epitaxial graphene. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 470-473.	0.8	5
24	Pionics: the Emerging Science and Technology of Graphene-based Nanoelectronics. , 2007, , .		20
25	Electronic Confinement and Coherence in Patterned Epitaxial Graphene. Science, 2006, 312, 1191-1196.	6.0	5,140
26	Ultrathin Epitaxial Graphite: 2D Electron Gas Properties and a Route toward Graphene-based Nanoelectronics. Journal of Physical Chemistry B, 2004, 108, 19912-19916.	1.2	3,179
27	Ballistic Conduction in Multiwalled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2003, 3, 171-177.	0.9	35
28	Room Temperature Ballistic Conduction in Carbon Nanotubes. Journal of Physical Chemistry B, 2002, 106, 12104-12118.	1.2	231